

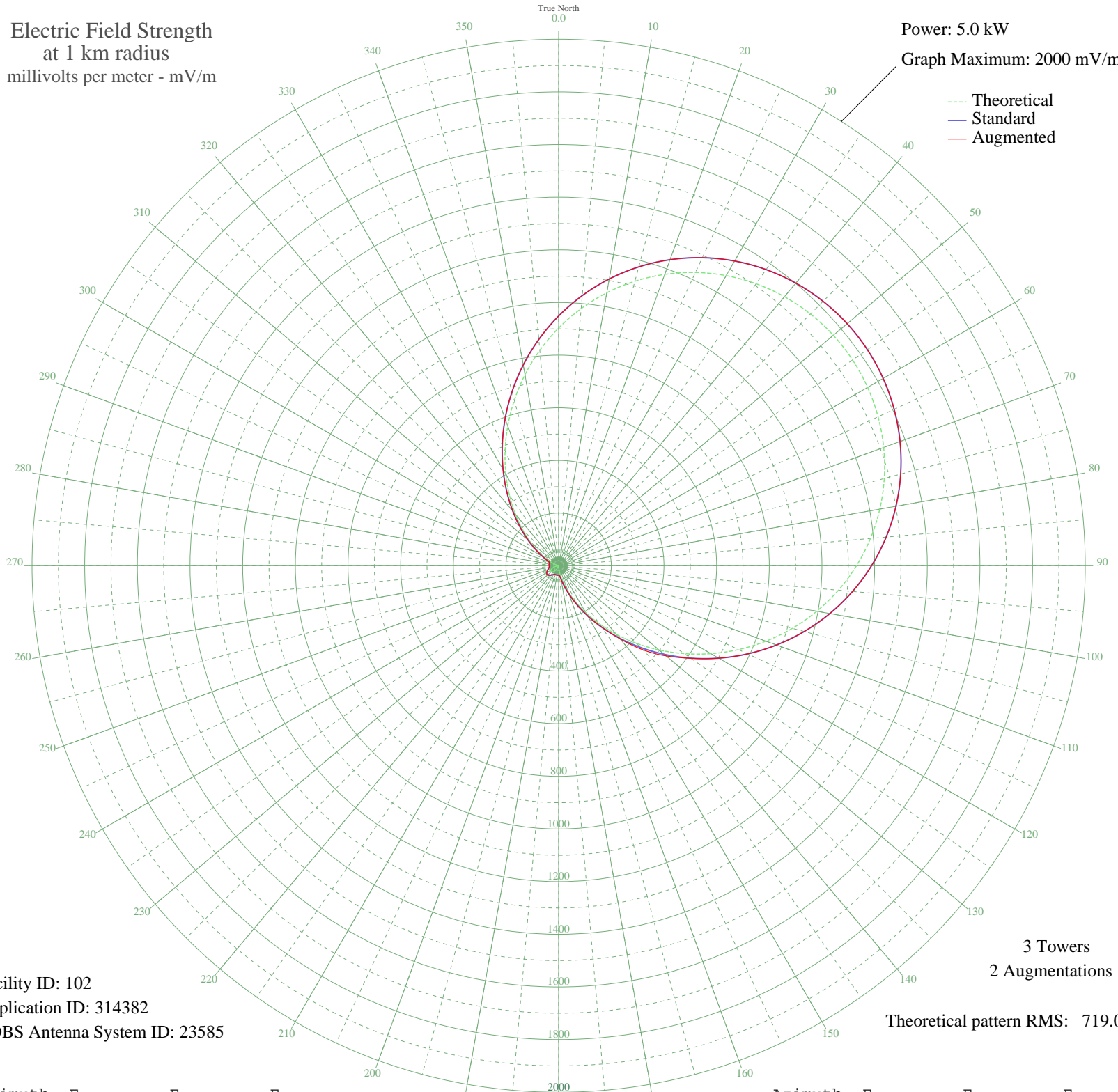
# WSMN NASHUA, NH BL-- 1590 kHz

Unlimited Time

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 5.0 kW

Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 102  
Application ID: 314382  
CDBS Antenna System ID: 23585

3 Towers  
2 Augmentations

Theoretical pattern RMS: 719.05

Azimuth	Etheo	Estd	Eaug
0	903.03	948.85	948.85
5	980.60	1030.24	1030.24
10	1052.86	1106.07	1106.07
15	1118.84	1175.33	1175.33
20	1177.81	1237.21	1237.21
25	1229.18	1291.13	1291.13
30	1272.55	1336.65	1336.65
35	1307.64	1373.48	1373.48
40	1334.28	1401.44	1401.44
45	1352.36	1420.43	1420.43
50	1361.85	1430.38	1430.38
55	1362.71	1431.29	1431.29
60	1354.95	1423.14	1423.14
65	1338.58	1405.96	1405.96
70	1313.65	1379.79	1379.79
75	1280.24	1344.72	1344.72
80	1238.51	1300.92	1300.92
85	1188.71	1248.65	1248.65
90	1131.22	1188.31	1188.31
95	1066.58	1120.48	1120.48
100	995.51	1045.89	1045.89
105	918.91	965.52	965.52
110	837.91	880.52	880.52
115	753.78	792.27	792.27
120	667.99	702.29	702.29
125	582.10	612.23	613.19
130	497.72	523.81	533.02
135	416.47	438.73	451.19
140	339.86	358.62	362.12
145	269.25	284.95	284.95
150	205.79	218.99	218.99
155	150.33	161.80	161.80
160	103.40	114.25	114.25
165	65.23	77.18	77.18
170	35.67	51.66	51.66
175	14.30	38.62	38.62

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	0.41	35.58	35.58
185	6.93	36.31	36.31
190	8.80	36.76	36.76
195	6.41	36.21	36.21
200	0.96	35.59	35.59
205	6.35	36.20	36.20
210	14.41	38.66	38.66
215	22.20	42.53	42.53
220	28.89	46.75	47.11
225	33.82	50.27	51.85
230	36.53	52.32	54.97
235	36.78	52.51	55.27
240	34.55	50.81	52.66
245	30.03	47.54	48.10
250	23.65	43.39	43.39
255	16.01	39.35	39.35
260	7.94	36.54	36.54
265	0.39	35.58	35.58
270	5.52	36.05	36.05
275	8.63	36.71	36.71
280	7.70	36.49	36.49
285	1.54	35.61	35.61
290	10.96	37.39	37.39
295	30.76	48.05	48.05
300	58.64	71.11	71.11
305	95.07	105.97	105.97
310	140.25	151.50	151.50
315	194.04	206.82	206.82
320	255.96	271.10	271.10
325	325.22	343.33	343.33
330	400.73	422.27	422.27
335	481.17	506.48	506.48
340	565.05	594.37	594.37
345	650.77	684.23	684.23
350	736.71	774.36	774.36
355	821.29	863.09	863.09